

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** LPL-902-04  
**Name:** EAGLE SPRING LAKE MANAGEMENT DISTRICT: Eagle Spring Lake Hydrolic Analysis-Phase 1  
**Type:** Lakes Grant  
**Subtype:** Large Scale Lake Planning  
**Status:** COMPLETE  
**Start Date:** 10/01/2003  
**End Date:** 12/31/2006  
**Purpose:** Hydraulic Analysis: Phase II contains these 3 items: a) Lake refill study will calculate potential refill times based on the last 35 years of precipitaion records. Probability plots of refill times will be prepared to assess variability. b) Downstream impact study will include analysis of downstream floodplain impacts, analysis of potential downstream river bed scour and analysis of potential impacts to Lower Phantom Lake. c) A groundwater model will be developed by USGS for Eagle Spring and Lulu Lakes.  
 The project deliverables will be an electronic version and paper copy of project report containing the following elements: 1) lake refill study; 2) analysis of downstream impacts due to proposed lake drawdown; and 3) analysis of impacts to local wells.

Scope change amendment #2 in May 2005 was to add a specific line item for a sediment and coring dating study for \$2000.

Scope change amendment #3 in July 2005 was to add a specific line item for development of a marl budget for Eagle Spring Lake for \$4,080

The "downstream impact" line item was adjusted down \$6080 on September 27, 2005 to account for this.

**Objective:**  
**Comments:** Grantee is EAGLE SPRING LAKE MANAGEMENT DISTRICT  
**Outcome:**  
**Study Design:**  
**QA Measures:**

### People

| Name                        | Role        | Status | Start Date | End Date   | Organization                          | Comments |
|-----------------------------|-------------|--------|------------|------------|---------------------------------------|----------|
| Eagle Spring Lake Managemen | GRANT_RECII | ACTIVE | 10/01/2003 | 12/31/2006 | Eagle Spring Lake Management District |          |

### Project Statuses

| Date | Reported By | Status | Comments |
|------|-------------|--------|----------|
|------|-------------|--------|----------|

### Actions

| Action               | Detailed Description | Start      | End Date   | Status   |
|----------------------|----------------------|------------|------------|----------|
| Lakes Planning Grant |                      | 10/01/2003 | 12/31/2006 | PROPOSED |

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| Action                          | Detailed Description   | Start      | End Date   | Status   |
|---------------------------------|--|------------|------------|----------|
| Grant Awarded                   | <p>Hydraulic Analysis: Phase II contains these 3 items: a) Lake refill study will calculate potential refill times based on the last 35 years of precipitation records. Probability plots of refill times will be prepared to assess variability. b) Downstream impact study will include analysis of downstream floodplain impacts, analysis of potential downstream river bed scour and analysis of potential impacts to Lower Phantom Lake. c) A groundwater model will be developed by USGS for Eagle Spring and Lulu Lakes. The project deliverables will be an electronic version and paper copy of project report containing the following elements: 1) lake refill study; 2) analysis of downstream impacts due to proposed lake drawdown; and 3) analysis of impacts to local wells.</p> <p>Scope change amendment #2 in May 2005 was to add a specific line item for a sediment and coring dating study for \$2000.</p> <p>Scope change amendment #3 in July 2005 was to add a specific line item for development of a marl budget for Eagle Spring Lake for \$4,080</p> | 10/01/2003 |            | COMPLETE |
| Project Deliverable             | <p>The "downstream impact" line item was adjusted down \$6080 on September 27, 2005 to account for this.</p> <p>The project deliverables will be an electronic version and paper copy of project report containing the following elements: 1) lake refill study; 2) analysis of downstream impacts due to proposed lake drawdown; and 3) analysis of impacts to local wells. Scope change amendment #2 in May 2005 was to add a specific line item for a sediment and coring dating study for \$2000. Scope change amendment #3 in July 2005 was to add a specific line item for development of a marl budget for Eagle Spring Lake for \$4,080 The "downstream impact" line item was adjusted down \$6080 on September 27, 2005 to account for this.</p>  | 10/01/2003 | 12/31/2006 | PROPOSED |
| Watershed Mapping or Assessment |  | 10/01/2003 | 12/31/2006 | PROPOSED |

### Monitoring Stations

| Station ID | Name | Comments |
|------------|------|----------|
|------------|------|----------|

### Assessment Units

| WBIC   | Segment | Local Name        | Official Name     |
|--------|---------|-------------------|-------------------|
| 765500 | 3       | Mukwonago River   | Mukwonago River   |
| 768600 | 1       | Eagle Spring Lake | Eagle Spring Lake |

### Lab Account Codes

## Wisconsin Department of Natural Resources SWIMS Project Summary

| Account Code | Description | Start Date | End Date |
|--------------|-------------|------------|----------|
|--------------|-------------|------------|----------|

### Forms

| Form Code | Form Name |
|-----------|-----------|
|-----------|-----------|

### Methods

| Method Code | Description |
|-------------|-------------|
|-------------|-------------|

### Fieldwork Events

| Start Date | Status | Field ID | Station ID | Station Name |
|------------|--------|----------|------------|--------------|
|------------|--------|----------|------------|--------------|

### Documents

| Title | Description | Author | Published | Comments |
|-------|-------------|--------|-----------|----------|
|-------|-------------|--------|-----------|----------|

### Budget

Combined Budgets:

Combined SLOH:

Combined Total:

### Funding

| Organization | Source | Type | Amount | Start Date | End Date |
|--------------|--------|------|--------|------------|----------|
|--------------|--------|------|--------|------------|----------|